

I CLAIM



1. An improvement to any monohull sailboat consisting of wings mounted one on each side of the hull between the aft rail and the chine
2. said wings are tilted upward in roll at a fixed dihedral angle
3. said wings each have an individual span that may be straight, V-shaped, curved or with a combination thereof.
4. said wings generally have a chord greater than their individual span
5. said wings might have a curved rocker shape on their underbody between their nose and their trailing edge
6. said wings might have an area for two wings of twenty to more than sixty percent of the hull deck area
7. said wings oppose each other in a symmetric alignment in order to function consistently whether on port or starboard heel

whereby said wings will provide the boat with a means for adding a large increase in roll stability, allowing a considerable increase in sail area and speed.

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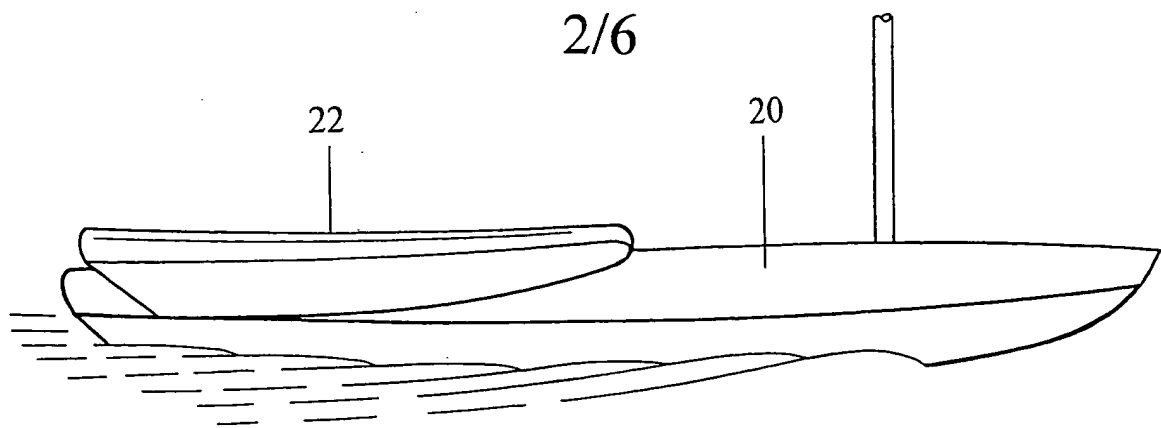


Fig. 2

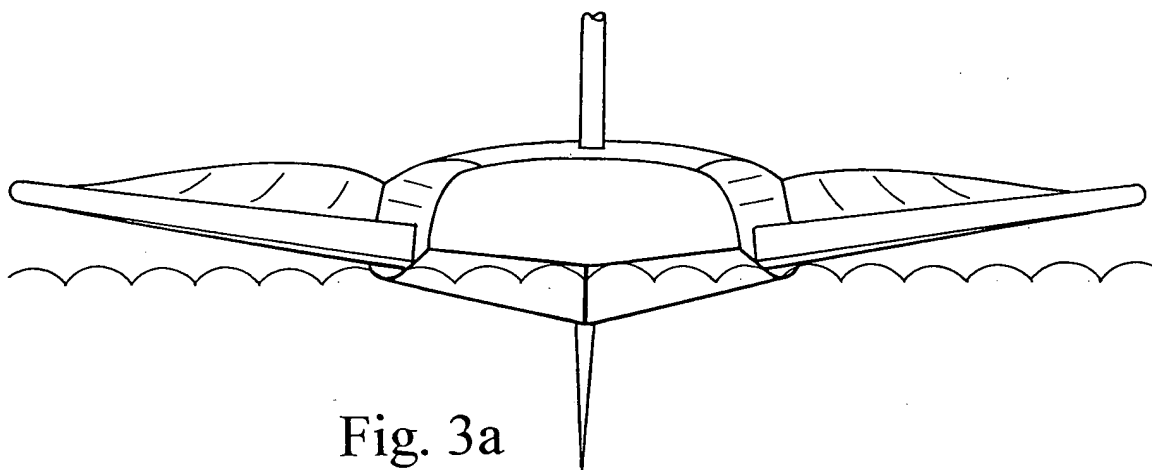


Fig. 3a

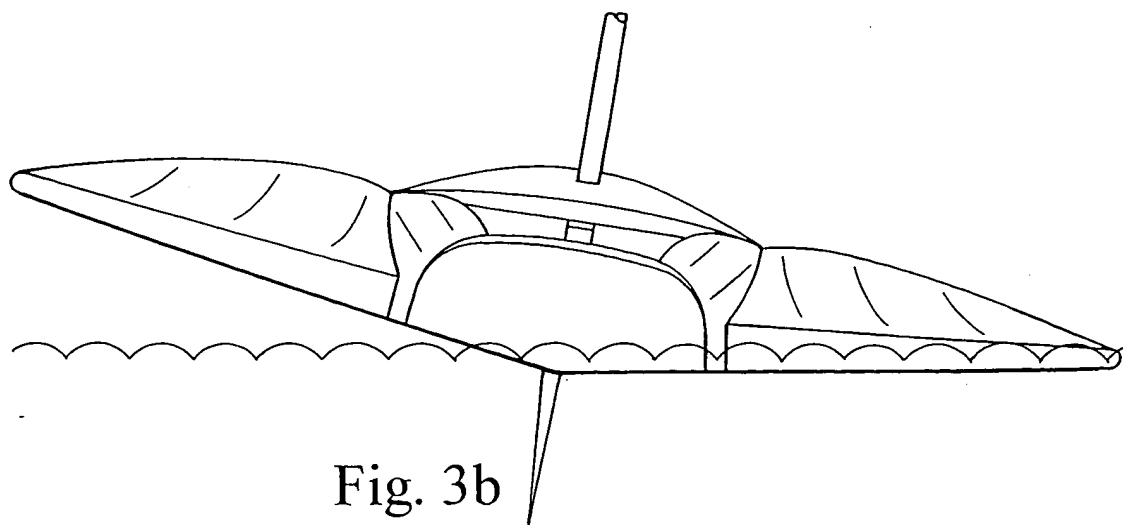
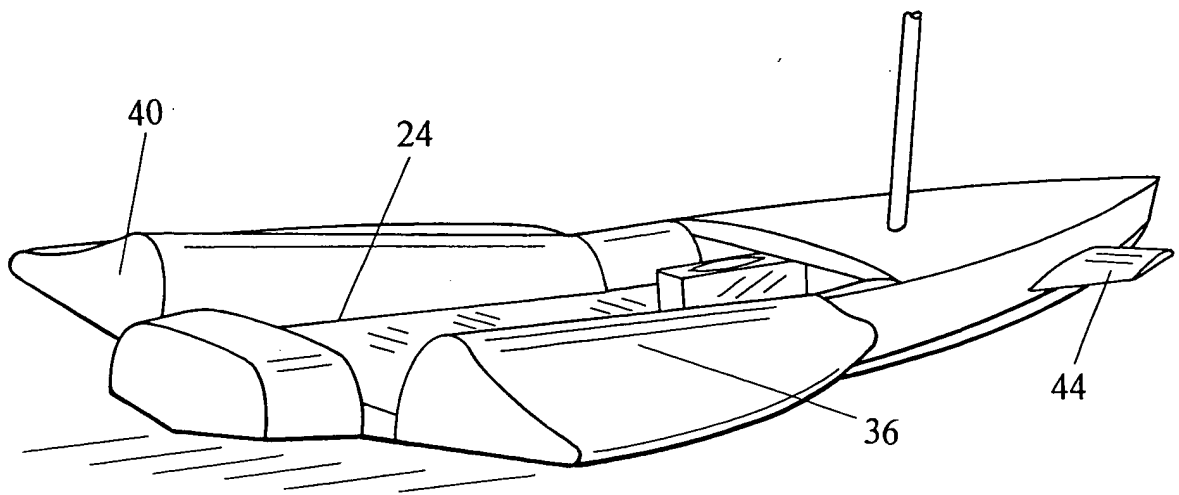
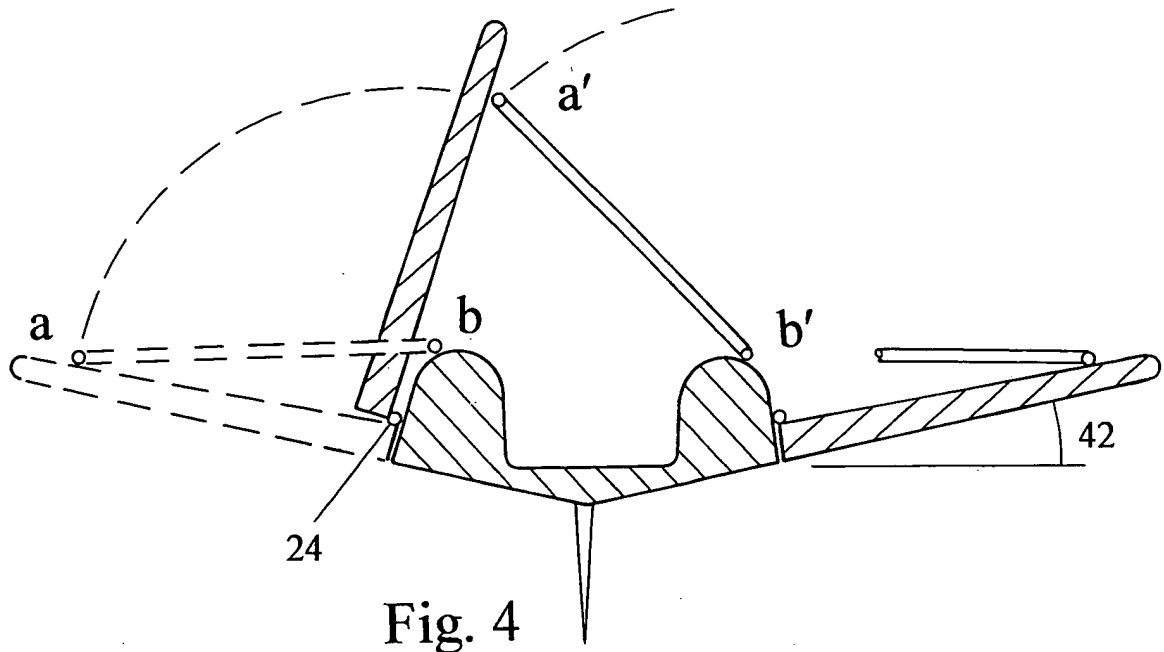
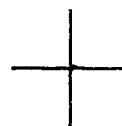


Fig. 3b



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Fig. 6a

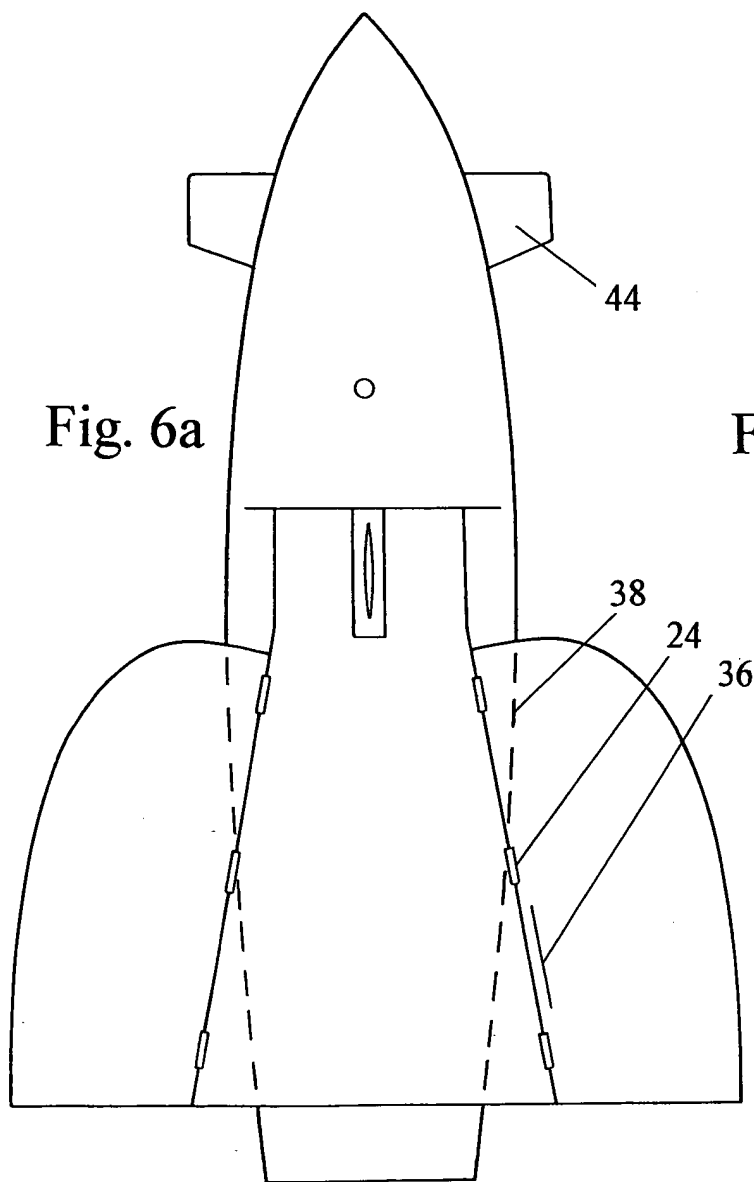


Fig. 6b

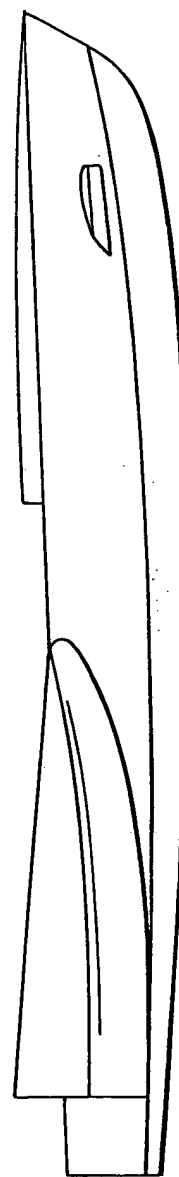
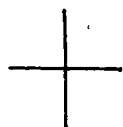
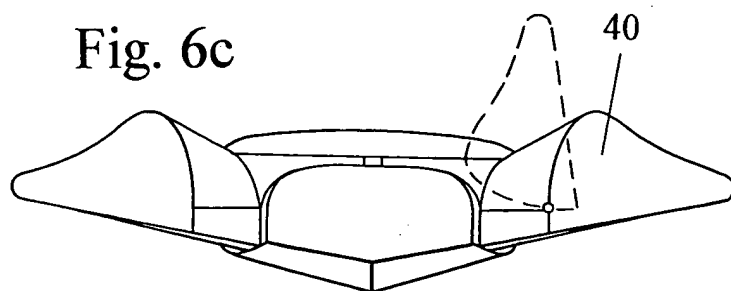


Fig. 6c





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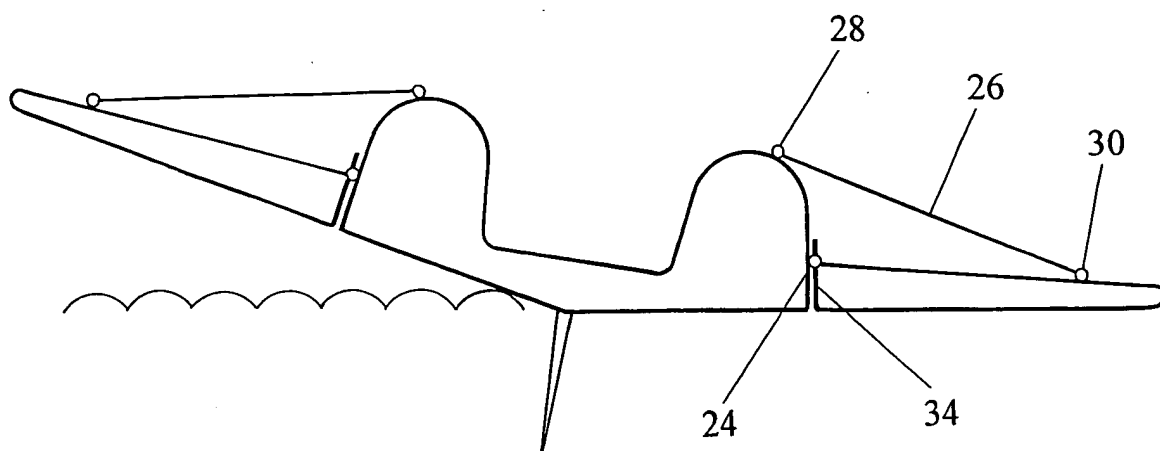


Fig. 7

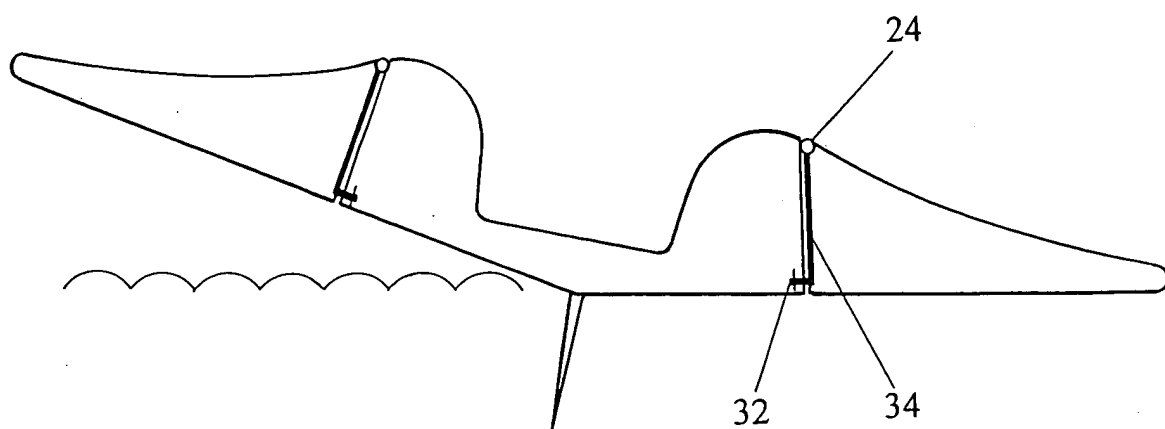


Fig. 8



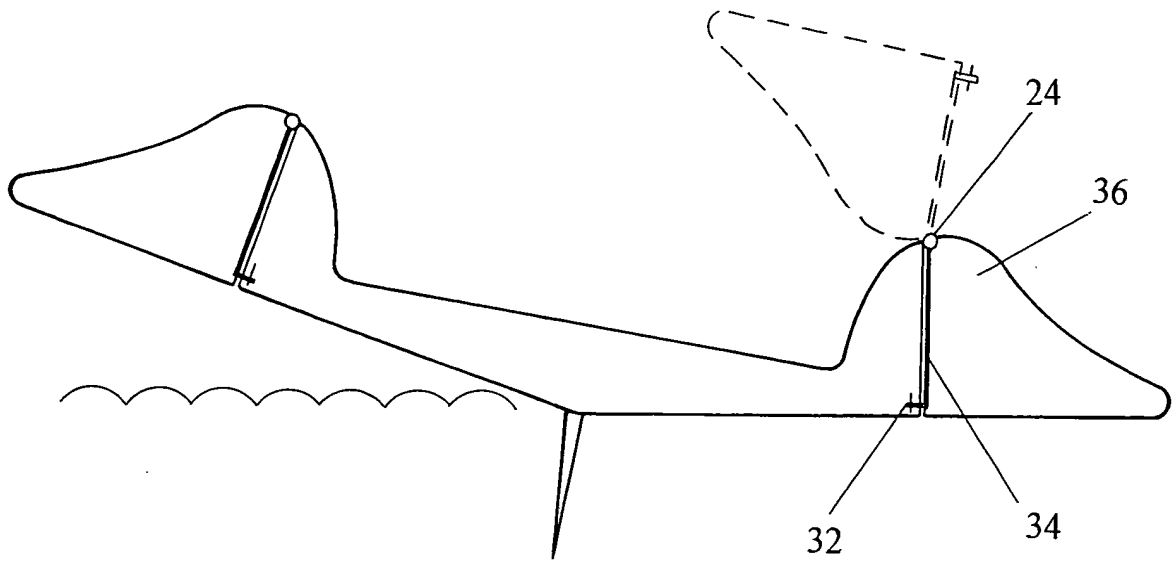


Fig. 9

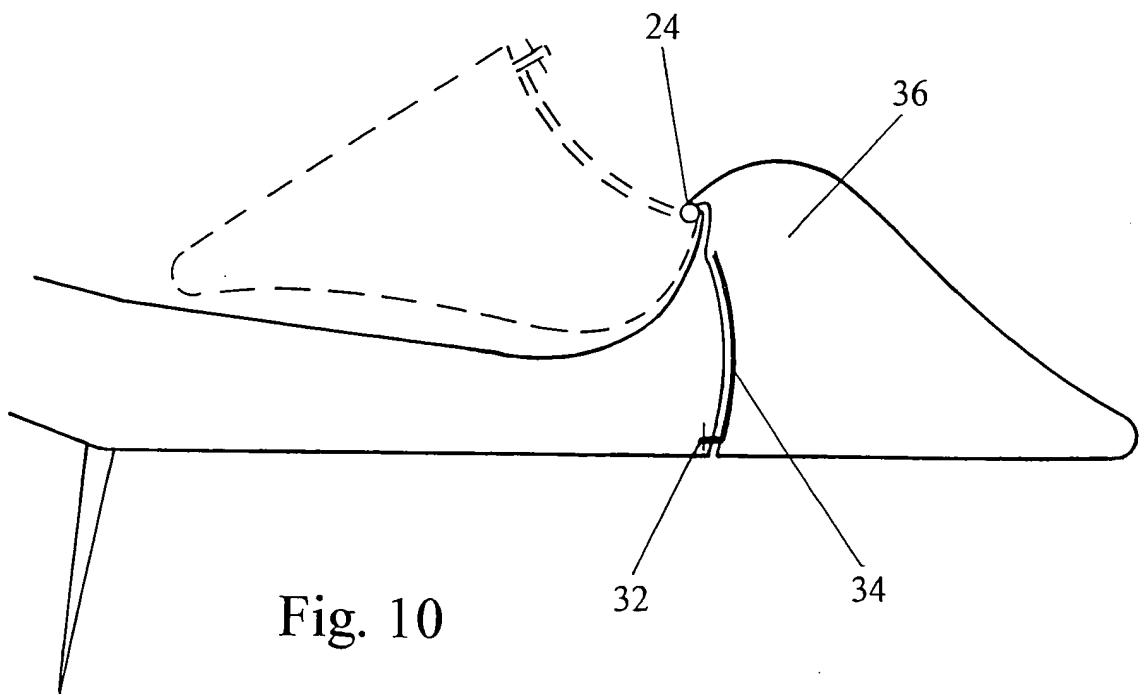


Fig. 10





In the United States Patent and Trademark Office

Serial Number: 10673866  
Appn. Filed: 09/29/2003  
Applicant(s): Edward Linsley  
Appn. Title: Twister Wings Sailboat  
Examiner/GAU: \_\_\_\_\_

Mailed: 04/04/2006  
At: Wetumpka, AL 36092

Submission of Corrected Drawings

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Attn: Chief Draftsperson

Sir:

New drawing sheet(s) (3/6) for the above application is/are enclosed, corrected as necessary. Please substitute this/these for the corresponding sheet(s) on file.

☒ A copy of sheet(s) 3/6 is attached and is marked in red to indicate the changes being made.

Very respectfully,

Applicant(s): Edward Linsley

c/o: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

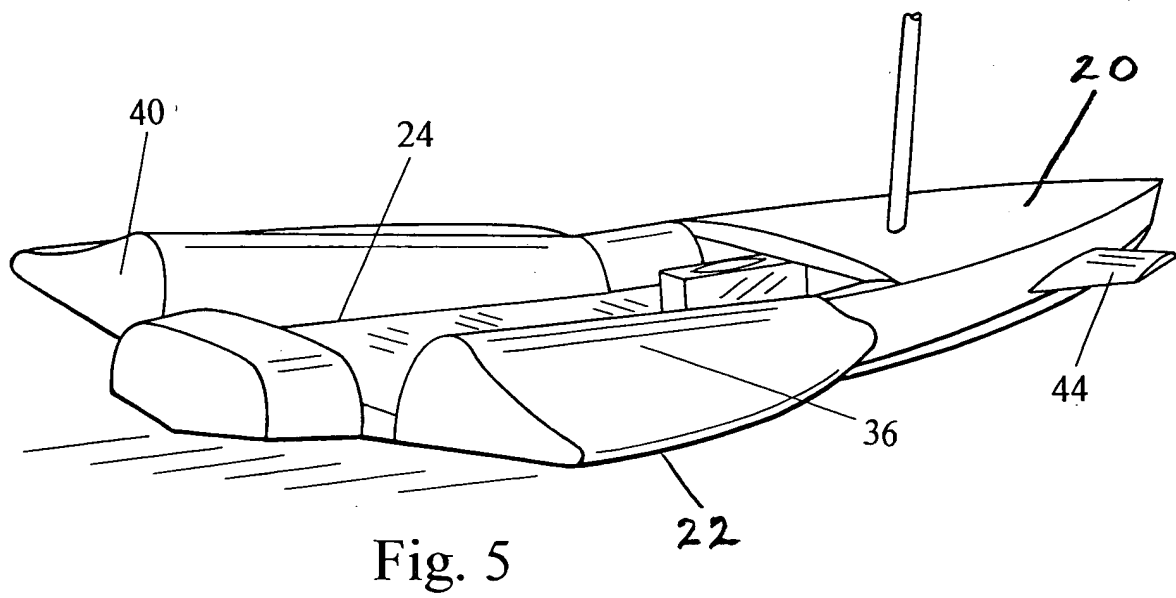
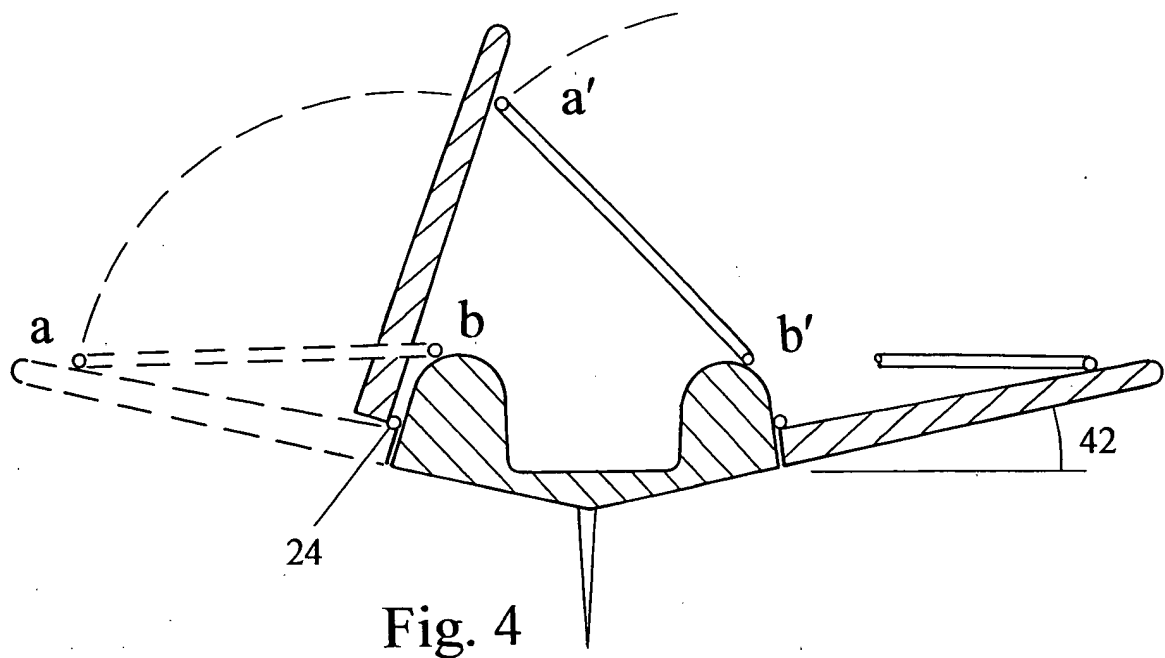
Telephone: 334-567-9869

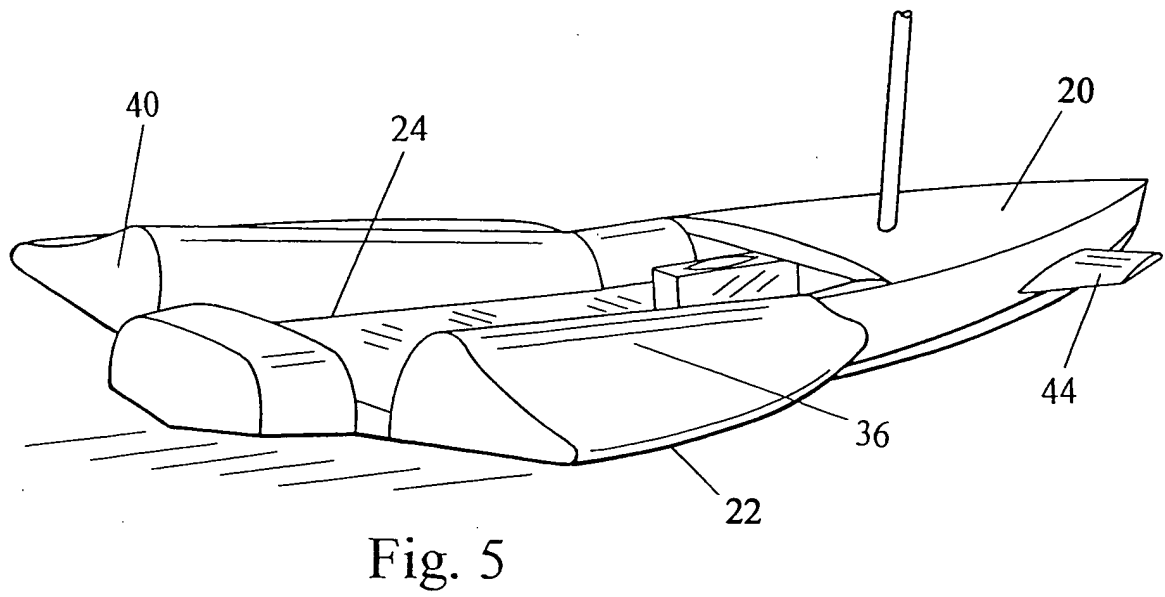
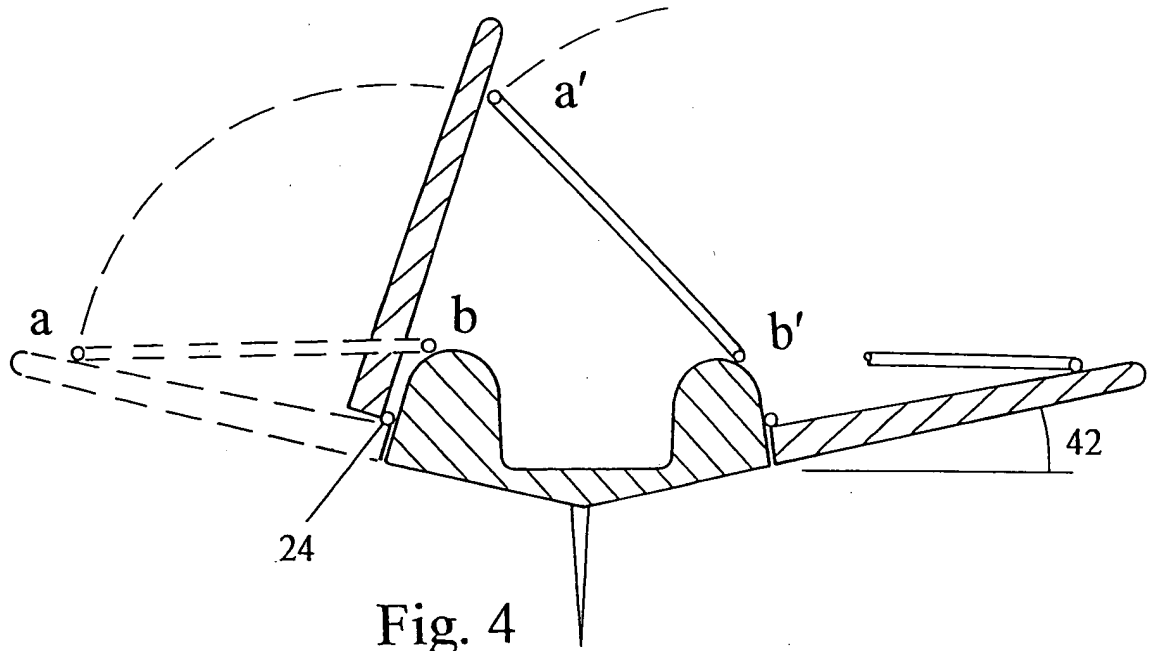
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Date: 200 6 Edward L. Linsley, Applicant

3/6





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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**



Declaration  
Submitted  
With Initial  
Filing

OR



Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

First Named Inventor

*Edward Linsley*

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

*Twister Wings Sailboat*

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
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☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 37 CFR 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number or Bar Code Label  OR ☒ Correspondence address below

Name *Edward L. Linsley*

Address *137 Deer Creek Rd.*

City *Wetumpka* State *AI* ZIP *36092*

Country *US* Telephone *334-567-9869* Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) *Edward L.* Family Name or Surname *Linsley*

Inventor's Signature *Edward L. Linsley* Date *9/29/03*

Residence: City *Wetumpka* State *AI* Country *US* Citizenship *US*

Mailing Address *137 Deer Creek Rd*

City *Wetumpka* State *AI* ZIP *36092* Country *US*

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])  Family Name or Surname

Inventor's Signature  Date

Residence: City  State  Country  Citizenship

Mailing Address

City  State  ZIP  Country

☐ Additional inventors or a legal representative are being named on the supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.



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36092

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Telephone

334-567-9869

Email

S

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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